

ABSTRACT

- A lifting surface with a rotary flap liable to turn
5 about a longitudinal axis of rotation defined according
to the first span of the flap, the flap having a
profile extending along the chord and including a first
leading edge, a first trailing edge, an inner surface
and an outer surface. The inner surface and outer
10 surface have non-concave shapes. The first leading
edge has a rounded shape provided with a curve radius
more or less constant or elliptical in shape whose
first major axis to minor axis quotient is less than or
equal to 1.5. The first trailing edge has a main angle
15 that is included between 10° and 30° . The axis of
rotation is situated at a first distance from the first
leading edge, that is included between 15% and 35% of
the chord.